

Serial No.: 10/726,891

IN THE CLAIMS:

1. (Currently Amended) An ancillary equipment for testing a semiconductor integrated circuit, comprising:

a device measuring unit comprising a measuring section and an analyzing section, the measuring section for exchanging a signal with a device comprising to be measured, which device comprises a semiconductor integrated circuit and subjected to measurement mounted on a device measuring unit circuit board, the analyzing section for analyzing information from the measuring section by using a programmable device; and

a control/communication card comprising a board different from that of the device measuring unit said device measuring unit circuit board, said control/communication card being connected to the device measuring unit to control the device measuring unit and for carrying out communication with a general-purpose computer.

2. (Currently Amended) The ancillary equipment according to claim 1, wherein the control/communication card includes comprises a data input section for acquiring data from the

Serial No.: 10/726,891

device measuring unit, a control signal output section for transmitting a control signal to the device measuring unit, and an interface for exchanging a signal with the a general-purpose computer.

3. (Currently Amended) The ancillary equipment according to claim 1, wherein the device measuring unit includes comprises a program writing port to allow a program to be written on the a programmable device of the device measuring unit from the a general-purpose computer.

4. (Currently Amended) The ancillary equipment according to claim 1, wherein the device measuring unit or the control/communication card comprises an observing terminal for observing receiving an input/output signal and an internal signal of the device measuring unit.

5. (Currently Amended) The ancillary equipment according to claim 1, wherein the device measuring unit comprises a first connector for making connection via a cable with a substrate

Serial No.: 10/726,891

having a socket for mounting a device to be measured, and a second connector for directly making insertion directly into the substrate.

6. (Currently Amended) The ancillary equipment according to claim 1, wherein the device measuring unit comprises a plurality of input terminals for inputting receiving signals from a plurality of circuits provided located on the device, and an input signal selector for selecting and switching signals from the plurality of input terminals.

7. (Currently Amended) The ancillary equipment according to claim 1, wherein the control/communication card comprises a device measuring unit diagnosing unit for transmitting a diagnostic signal for diagnosing the device measuring unit to the device measuring unit and for transferring diagnostic result data from the device measuring unit to the a general-purpose computer.

Serial No.: 10/726,891

8. (Currently Amended) The ancillary equipment according to claim 1, wherein further comprising a plurality of device measuring units are provided and for performing a test can be conducted using one or more of the device measuring units.

9. (Currently Amended) The ancillary equipment according to claim 1, wherein the device measuring unit includes comprises a program writing port to allow for permitting a program to be written on the programmable device of the device measuring unit from the a general-purpose computer, and the programmable device of the device measuring unit is a Flash-ROM.

10. (Currently Amended) The ancillary equipment according to claim 1, wherein the device measuring unit comprises a socket for mounting thereon with the device subjected to measurement is provided in the device measuring unit a device to be measured.